

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-7 (Cancelled)

Claim 8 (Currently amended): A method of treating obesity by inhibiting fatty acid synthesis accomplished by lowering the expression level of Slc25a10 gene in an individual comprising:

administering to the individual a compound in an amount effective to lower Slc25a10 gene expression level in the individual relative to the Slc25a10 gene expression level in the individual in the absence of the compound.

Claim 9 (Currently amended): The method of claim 8, wherein ~~the method of treating obesity by inhibiting fatty acid synthesis by lowering the expression level of Slc25a10 gene~~ the compound comprises is achieved by one or more RNAi molecules.

Claim 10 (Currently amended): The method according to claim 9, wherein said RNAi is accomplished by using one or more siRNA molecules are selected from the group consisting of siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 3 and 4, siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 5 and 6, siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 7 and 8, siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 9 and 10, siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 11 and 12, siRNA consisting of the nucleic acids of SEQ ID NOs: 17 and 18, siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 21 and 22, siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 23 and 24, and siRNA molecules consisting of the nucleic acids of SEQ ID NOs: 25 and 26, ~~siRNA consisting of the nucleic acids of SEQ ID NOs: 27 and 28, siRNA consisting of the nucleic acids of SEQ ID NOs: 29 and 30, siRNA consisting of the nucleic acids of SEQ ID NOs: 31 and 32, siRNA consisting of the nucleic acids of SEQ ID NOs: 35 and 36, siRNA consisting of the nucleic acids of SEQ ID NOs: 37 and 38, siRNA consisting of the nucleic acids of SEQ ID NOs: 39 and 40, siRNA consisting of the nucleic acids of SEQ ID NOs: 41 and 42, siRNA consisting of the nucleic acids of SEQ ID NOs: 43 and 44, siRNA consisting~~

~~of the nucleic acids of SEQ ID NOs: 45 and 46, siRNA consisting of the nucleic acids of SEQ ID NOs: 47 and 48, and siRNA consisting of the nucleic acids of SEQ ID NOs: 49 and 50.~~

Claim 11 (Currently amended): A method of treating obesity by inhibiting fatty acid synthesis according to claim 9, wherein said RNAi molecules consists of the nucleic acids of SEQ ID NOs: 9 and 10 ~~or of SEQ ID NOs: 41 and 42.~~

Claims 12-30 (canceled)